

CGSIC AUSTRALIAN COUNTRY BRIEF

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AUSTRALIAN GNSS **CO-ORDINATION COMMITTEE** **(AGCC)**

- **CONVENES UNDER AUTHORITY OF MINISTER FOR TRANSPORT**
- **LAST MEETING 18 AUGUST 2004**
- **PRESENTATIONS**
 - **GPS-GALILEO, (MS JULIE KARNER, US STATE DEPT)**
 - **NATIONAL INFRASTRUCTURE (GNSS ISSUES)**
 - **ADS-B**
 - **PRIVACY ISSUES FOR GNSS**

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JAMMER LEGISLATION

COMMUNICATIONS ACT AMENDED TO BAN –

- **SUPPLY**
- **POSSESSION**
- **OPERATION**

**OF DEVICES CAPABLE OF JAMMING
RADIONAVIGATION SATELLITE SERVICES (RNSS)**

WEF 1 SEPT 2004

FINES OF UP TO AU\$165,000 OR IMPRISONMENT



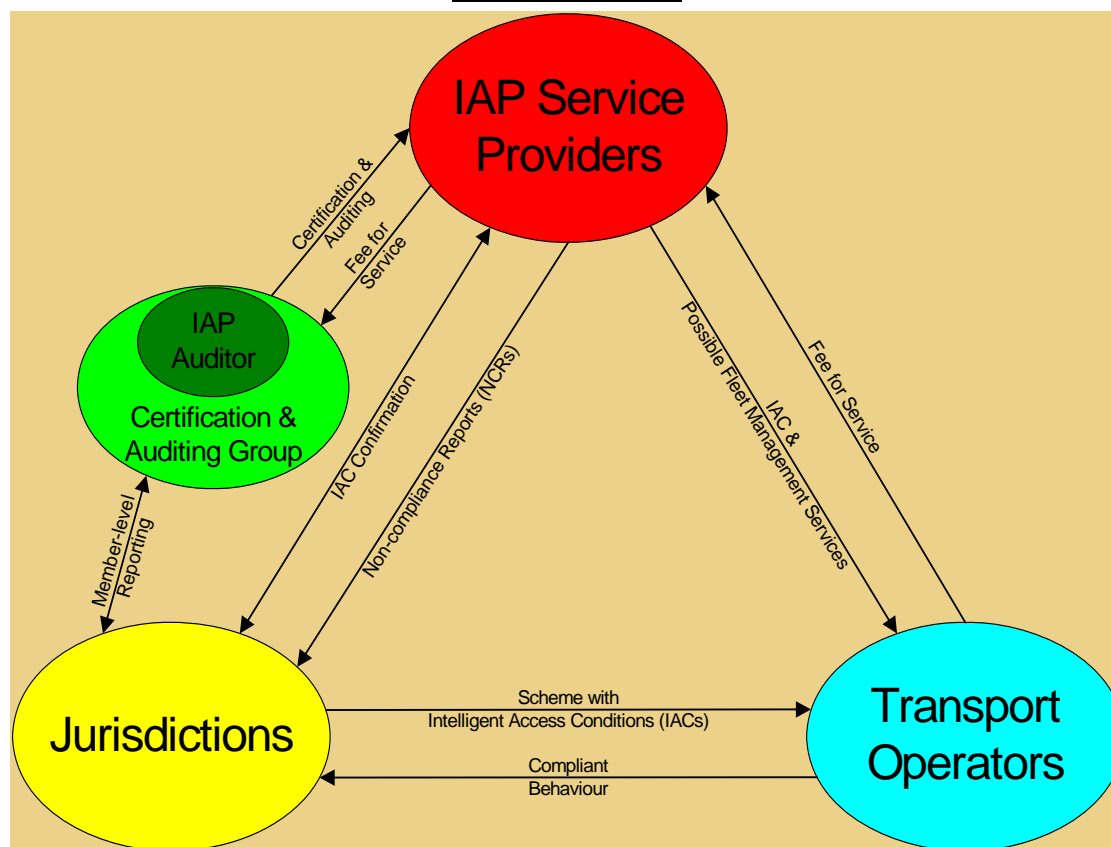
ROAD TRANSPORT

INTELLIGENT ACCESS PROGRAM (IAP)

- **VOLUNTARY PROGRAM / PHASED, NATIONAL APPROACH**
- **HEAVY VEHICLE MONITORING (GPS BASED SENSORS + DATALINKS)**
- **RUN BY INDIVIDUAL JURISDICTIONS (STATES)**
- **MONITORING PROVIDED BY PRIVATE SECTOR COMPANIES**
- **PRIVATE SECTOR MONITORING COMPANY NOTIFIES JURISDICTIONS OF BREACHES**
- **CERTIFICATION & AUDITING GROUP (GOVERNMENT BODY) ENSURES MONITORING COMPANIES MEET AGREED REPORTING REQUIREMENTS**



INTELLIGENT ACCESS PROGRAM (IAP)



INTELLIGENT ACCESS PROGRAM **(IAP)**

- **ROAD FREIGHT TASK PROJECTED TO DOUBLE OVER THE NEXT 15 - 20 YEARS**
- **GOVERNMENTS NEED TO IMPROVE MANAGEMENT OF ROAD NETWORK ASSET AND ITS ASSOCIATED USE**
- **JURISDICTIONS NEED SMARTER COMPLIANCE MECHANISMS – ALTERNATIVE AND DIFFERRING HEAVY VEHICLE TYPES**
- **TRANSPORT OPERATORS SEEK IMPROVED ACCESS TO ROAD NETWORK**



SURVEY / GEODESY / GIS

- **VICTORIAN GPS BASE NETWORK GPSNet (19 ACTIVE BASE STATIONS)**
- **NEW BASE STATIONS BEING IMPLEMENTED, PARTICULARLY IN WESTERN VICTORIA TO SUPPORT PRECISION AGRICULTURE**
- **GPSNet CONNECTED TO AUSTRALIAN REGIONAL GPS NETWORK (ARGN)**
- **DISTRIBUTION OF INFORMATION VIA INTERNET**
- **7 BASE STATIONS (4 PUBLICALLY ACCESSABLE) ALSO PROVIDE REAL TIME KINEMATIC CORRECTION DATA VIA VHF/UHF DATALINKS**
- **VICTORIAN REFERENCE GROUP MEETING (APRIL 2004) DISCUSSED -**
 - **GALILEO AND GPS IN VICTORIA**
 - **CO-OPERATIVE RESEARCH CENTRE FOR SPATIAL INFORMATION**
 - **PRECISION AGRICULTURE**
 - **ADVANCED GPS POSITIONING APPLICATIONS (GRAND PRIX)**



AUSTRALIAN STRATEGIC AIR TRAFFIC MANAGEMENT GROUP **(ASTRA)**

COMPRISES –

- **AIRLINES & AVIATION INDUSTRY REPRESENTATIVES**
- **CIVIL AVIATION SAFETY AUTHORITY**
- **AIRSERVICES AUSTRALIA**

TEAMS –

- **GNSS IMPLEMENTATION TEAM**
- **OPERATIONAL STRATEGIES IMPLEMENTATION TEAM**
- **ADS-B IMPLEMENTATION TEAM**



AVIATION SYSTEMS

- **IN AUGUST 2004, AIRSERVICES BOARD AGREED TO COMMERCIALISATION OF GROUND-BASED REGIONAL AUGMENTATION SYSTEM (GRAS)**
- **TWO PHASES**
 - **PHASE 1 – PROJECT DEFINITION**
 - **PHASE 2 – FULL SYSTEM DEVELOPMENT AND CERTIFICATION**
- **PHASE 1 IS FUNDED FOR FY 2004/05**
- **PHASE 2 FUNDING WILL BE CONSIDERED AT END OF PHASE 1**
- **ICAO SARPs HAVE BEEN DEVELOPED AND VALIDATED**
- **RTCA MOPS UNDER DEVELOPMENT (SC159 WORKING GROUP 8)**



GNSS 2004

- **GNSS 2004 TO BE HELD AT THE UNIVERSITY OF NSW OVER PERIOD 6 – 8 DECEMBER 2004**
- **MAJOR GNSS EVENT IN ASIA-PACIFIC FOR 2004**
- **230 ABSTRACTS SUBMITTED FROM 25 COUNTRIES**
- **CGSIC WILL MEET FOR ½ DAY IN CONJUNCTION WITH GNSS 2004**

WWW.GNSS2004.ORG



QUESTIONS ???

